FRONTISPIECE.

The BRITISH ARCHER.

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the Measures brought forward by) HIS MAJESTY'S MINISTERS Song Sow with the Bike Fonsiderations! the Reasons that exist, PRO ARIS et FOCIS herrying the use IN AID

DEFENCE of the COUNTRY Rich & Cowald Mason Cog STATES OF

Continue





J. J. Banks 1799.

TO THE

BRITISH PUBLIC.

AT the Voice of the Country in Danger, as it dence is so deeply menaced by an afpiring Enemy, is the Duty of every one to contribute Exertion, I have been induced to bring forward, in this little Treatife, certain Ideas on a Subject, I have long Reflection of the Caufes which principally gave bringing forward Superiority of Number with thought might render effential Service. On rife to the overwhelming Military Power of France, the new Tactics, which Fire Arms facilitate, of which menaced with Subjection every State in Europe, it appeared to me attributable to the Number and Excellence of her Artillery, and to great and certain Advantage; Means which are when Property, Liberty and National Indepenafforded the French from a great Population,

culture, Manufactures and Commerce, in order venue, might certainly tend materially to injure No Change of supposed, could ever alter the hostile Views of France against this Country, as being founded in be fecured by being always prepared for War. That whatever Government might fucceed the which the neighbouring Powers do not possels. Spain and Holland befide) the Confequences were tural and acquired Refources of that State, might operate in the present Mode of War to our infinite Difadvantage, from the Necessity of withdrawing a greater Proportion of ulcful Members from Agrito put us in efficient Power to oppose their ordipence, and the confequent Operation on the Reour Finances; a Situation of Warfare and Exertion, which the Enemy could long maintain by Rulers or Form of Government, it was rationally rival Interest, and Peace in this Case as alone to In the Event of this Country having alone to contend with France (although we have now both apprehended that the Number and the vaft nanary Exertion; and that the great attendant Excontinual Menaces and Alarms.

ment, as our History well evinces; the Walls of eft Carthago," as those of the Republican Coun-Country, so it imperiously required that Britain and Refources of the contending Nations, that we ought to be able to effect this with great Inferiority the Court would as well refound with " Delenda As these simple Considerations led to the Conclusion, that France and her Allies would naturally ever retain their Interests to abase this should oppose with united Exertion, and the Spirit of her ancient Glory. It appeared on Reflection of the Means of maintaining fuch long continued Exertion, that from the comparative Strength of Number in the Field, so as not to be exhausted by disproportionate Exertion. Though the Power and Excellence of our Ordnance is certainly great, be necessarily possessed of all the great Acquisitions made by the Republic; and without Doubt, the Rivalry and Jealoufy of France as to this we should not have less Cause for Preparation. The Monarchy would Country is not confined to any Form of Governpresent in that Country,

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Means of supplying great Deficiency in point of his reliance) when the Troops on both Sides are which gave us that Superiority, it appeared on Comparison with the Effect of Small Arms, that though the natural Superiority of our Cavalry is in these Respects greatly operate. But particularly in the prefent Mode of War there appeared no Number of Infantry (to which the Enemy owes his greatest Advantages, and on which he placed manded. This occasioned the Conclusion, that our obtaining Advantages with Inferiority of Number as in former Times. On entering into the Examination of the Merits of our ancient Weapons the Use of the Long Bow in the Field has been Prejudice, though evidently the only Weapon that riority, from its Excellence depending on greater indisputable, yet Advantage of Number will even it was the Nature of the Arms used that prevented disused without due Confideration, and more from can always afford Advantage even to great Infe-Powers of Strength, Activity and calm Refolution, than any other Nation possesses equal to the British equally disciplined, inured to fire, and well com-

to oppose Cavalry or Infantry, the Confideration of the general Description of the Manual Exercise of pendant of its superior Effect, it is the only efficient (and particularly the English.) The reviving the which is offered in the following Lines, together with the two Weapons when united. As in the prefent the Pike, under every Reason it is evident, the Weapon of reach, that can conveniently be used with the Pike without being cumbersome to the Individual; without missile Weapons it will be Use of Archery together with the Pike, presented, therefore, in every Point of View the greatest Utility from its Effect in the present Time, either intended general Arming of the People, the far greater Mass may from Necessity be armed with impossible to act with Annoyance to the Enemy, but great Lofs must be fustained in most Situations, Use of the Bow should be added to it; for indewithout Power of Offence. But the Use of the Bow being added, will produce fuch Effects as to excite frike the Enemy with Amaze, and Terror even of vaft Inferiority. The reviving in this Manner a wonder it has been fo long neglected,

the Use of Archery is strongly recommended to have degenerated from the Force and Spirit of the British Youth, to all who are fentible not to their Anceffors, and who recall to Mind with National Pride and Emulation the Exploits atchieved by the Valiant English Bowmen. The Enemy will by its Effect foon find, that we are still the same as at Cress, Poitiers and Agincourt, and the Fear of renewing this Remembrance on his own Territory may induce an honorable never venture to interrupt, as long as British Nerves Peace, which if enfuing from this Caufe, he will retain their Vigor; it should be considered by those who may be induced to arm in this Manner, that they are thereby so completely appointed as to inspire the greatest Confidence, and the well well justify it in the prefent Time, for any just Caufes that appear to the contrary. No Advantage can be loft by thus ufing the Bow; and when in known Effects which the Bow has produced, may the Trial its Powers will appear as ample as I have afferted, how well will the Experiment be justified which is liable to fuch important Confequences.

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Should in this Center of the Kingdom be found 1000 Individuals, Nobles, Gentry and Citizens, will foon perceive its Advantages, and incite the more general Extention of the Measure, from the who may fo bring forward their Service, they Force of fuch respectable Example.

were individual interpret technic chiefer of the service they from ad actions of to mend the state of their tell that parester is Advantages, and incire the nary graces by subset of the Meshang and the France of first will related the strategies.

CONSIDERATIONS, &c.

mation of its Effect, which has only been feen in HEN the Utility of the Revival of Archery is urged, a superficial Idea of the Powers of the Bow may raise a Smile in many, from little Estia defultory Manner in these Times as an Amusement; and from the Prejudice imbibed in Favor of Fire-Arms. But it should be regarded with some Opinion of its Power, as the Cause of the famous Victories of our Edwards and Henries.

The first who deep impressed on haughty Gaust The Terror of thy Arms
That awes her Genius still.

THOMSON.

In ancient Times the greatest Conquests and Victories were atchieved by the Bow, it enabled the less numerous, though more strong and achive People, to withstand the mightiest Empires; the and Dominion, though Conquerors of Europe, Africa, and the East, could yet make no Impression who Scythian Tribes were held as Invincible, even against the Persian Hosts, though themselves were Bowmen; the Romans in their Height of Power finally overthrew the Empire of the Weft, were It was by Means of the that the Arabian Tribes, emerging from their confined and defert Territory, established the vast Power of the Caliphs. After them, the Turks, on the Monarchy of the Arfacides, but were for Ages defeated in all their Attempts by the Parthian by the same Weapon, overthrew the Eastern Empire, bereft the European Powers of some of their finest Provinces, menaced Christendom, and preferved a formidable State fo long as they retained Thefe Nations, and all others who have excelled in Archery, were diftinguished for Activity and Strength, kept up and inured by Practice and Martial Exercifes: Since those Days, the only Nation who has excelled in The Alans, Huns, and Dacii, remarkable for Archery. its Use in full Vigour. Archers.

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furpaffed, whatever is recounted of those of the the Exploits of whose Archers has equalled, if not former Nations. For after their adopting its Ufe, owing to superior personal Strength, and to that the Power of using the Bow, has been the English, greatly improved its Power over all other Nations, cool and steady tempered Refolution, which is absolutely essential to excel in Archery,* as to render all other of their Contemporaries (even the Norwhich occafioned them to refort to every Invention mans themselves afterwards, who had introduced it) unable to oppose them with any chance of Success, tained so much with the French, even after the Difuse of the Bow, as to be a great Incumto withstand its Esfect, either by the unwieldy Crofs-Bow, or the ftrongest Armour, which obsubsequent to the Norman Conquest, they

* This Temper of Mind which is peculiar to the English in Action, gave them great Advantage; the Impetuofity of the French Character was, and still is, an insuperable Obfacle to their Excellence in the Ufe of the Bow, though it acts in their Favor with the Mulket. As to the Necellity of calm Refolution in the Archer, vide Ascham, Book II.

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brance to them*, yet in no wife preventing the Effeet of the Shot of the English Archers +, who were more dreaded than any other Troops in the World ‡, continually gaining the most decifive

* Vide Montaigne's Esfays, Vol. II.

+ Befides what must appear evident from their great Victories in France, gained over Adversaries in the strongest Battle of Holmedon Hill, against the Scots, in the Time of " Thus the Glory of the Victory was entirely I shall quote an Instance of their Power from Walfingham the Historian, describing their Effect at the " owing to the Archers, who delivered their Arrows fo brifkly, so warmly, and so effectually, that they battered fhivered the " Lances, and the best tempered Mail proved but a weak " the Helmets, they split the Swords, they " Defence against the Execution they did." Armour,

ordered 1200 of their Troops to carry the red Crofs, for to impress the French with the Dread of their being English. GUTHRIE'S Hiffory of England, Vol. II. Montluc, in his Commentaries, speaking of the Siege of Calais, at which he was prefent, states, that it was a traditional saying in his Time in France, "that one Englishman " would never fly nor never yield;" which had no doubt The fame Testimony was beat three Frenchmen, and that the English when they The same Impression seized the French at the Battle of the given by the Breton Generals to the English, before Battle of St. Aubin, in the Time of Henry VII. Spurs, in the Time of Henry VIII. been derived from Experience. plnow "

Victories,

who who ifine

fully invade France *, once brought it to the Brink of Ruin +, once conquered it +, made one of its Monarchs Prisoner S, and another tributary ||. The Source of Detraction and Lofs of this amazing of no Affiltance, but rather held as a dependant every Nation with whom they contended in Arms: cellent Archers, gave feveral of the Nations before ing more numerous, and otherwise more powerful Nations; so also it in like Manner acted in Favour of the English, who, with Scotland against them, (then being the intimate Ally of France) Ireland Conquest, yet did they ten several Times success-Victories, with great Disparity of Number, over and it is worthy of Remark, that as being exmentioned, the Power of refifting, nay conquer-

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^{*} In 1339, 1346, 1355, 1359, 1415, 1417, 1421, 1475, 1513, 1544.

⁺ France was brought to all but absolute Conquest by Edward III.

[‡] Under Henry V.

King John made Prisoner at the Battle of Poitiers, with his Son Philip and most of his Nobility.

^{||} Lewis XI. who submitted to pay a Tribute to Edward IV. to relieve himself from the Terror of English

from ancient, as modern Hiftory of Nations, that maintained by equal Exertions. The fatal Spirit of great Authorities that exist in its Support as well united Will and Force of a Nation can alone be Loss of our Honor and Conquests, than the Enemy's caufed either by the Force of Union and Energy, or am of Opinion may be well maintained, feeing the a People, however comparatively inferior in many Party, which in the Reign of Henry VI. infected the Court, Camp and City, contributed more to the Arms. Similar Caufes in all Times produce like Effects, and the Rife and Decadence of States are Effects of a contrary Principle. It is an Affertion I Glory, was our Civil Diffentions, which afforded to the Enemy the Means of regaining those Advantages with Eafe, which had been obtained with Difficulty. A memorable Leffon, infructing us, that the Glory and Power which is atchieved by the Respects, yet, if united, cannot but be invincible,

^{*} This may be observed from the Struggle made by the of their Independence against the greater Powers of the as also from the Exertions of the ancient Swifs, in defence juftness of their Motto, " Parvæ Res Concordia crescunt." once Great States of Holland against Philip II. and

spirit of ns, that e to the nemy's ncible,* ing us, by the nfected ertion I ing the forded fe Aded with as well one be tes are rgy, or n many like Ef-

is stated, in order to point out the Advantage of Yards; in the present Time, among those who Powers cannot but be deemed equal to its Use, it Mass of the People, as well as on the Causes that tend to produce or increase that Strength, will renquired of every Man from 18 to 35 Years to shoot in a Bow capable of carrying 11 Score practife for Amusement, there is scarce a strong Archer, that cannot shoot that Distance at a Flight, turn to state, that as to the Powers requifite for the efficient Use of the Bow, equal Ability exists in the People of this Country as at any former Period, the prefent Race appears in no wife degenerated vation on the Stature and Form of the general der eafily difcernable; and it is proved by confidering that by the ancient Statutes, it was re-Æra, that mindful as well of the Virtues as the Faults of our Ancestors, we may, by adopting their Energy, maintain unfullied the high Reputation and Glory of the British Name. But I rein point of Force of Body, as the flightest Obserand it is fincerely hoped, at the prefent eventful and some even as far as 15 Score Yards.

Archery

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favor of the Weakeft, though more numerous, if able to handle the Piece as well as another of verse of the Effect of the Bow, Fire-Arms brought the Nations to an Equality, and acted greatly in Archery in the present Times, that in direct reof ordinary Strength and irregular Make may be greater Powers, but not equal to manage a flrong that great Inferiority of Number has obtained fuch equally brave and capable of Discipline. A Man Bow, from the Time of this Change taking place in arming the Infantry, it is but in rare Inflances, Victories as formerly, against equally-disciplined Troops; though in most Actions since those Times when Number was more balanced, though has appeared with diffinguished Pre-eminence; yet in favor of the Enemy, the British Superiority but Success with great Disparity is particularly obviated by the Mode of Tactics lately introduced by the French, of acting in Columns, and continually

relieving

⁺ The Decilion of the Battles of Wynendale and Minden, and several others in modern Times, may be traced to the particular ill Conduct, or the undifciplined State of the

Troops in Europe in obstinate Actions even of by wearing out their Adversaries more by the have had their Impression upon naturally the best Days continuance, though attended with little comrelieving with fresh Troops when necessary, there-Fatigue of long continued Exercise, than the Effect of their Fire; and it must be admitted from the Events of this War, that these Manœuvres parative Lofs.

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quish great Superiority. The Consequences of Though Fire-Arms give the Advantage to Number, yet the English Archers formerly never regarded it*, not hefitating to attack and vanthe total Difuse of the Bow, and the Variableness in Changing it entirely without good Reafon, were apprehended by many at the Time. Lord Herbert,

> eriority nence; cularly

* Early in the Morning of the Battle (of Agincourt) being returned, in Report told His Majesty, that there were of the French enough to fight, enough to be slain, and enough to run away. GUTHRIB'S HISTORY, Vol. II. Note in this Battle was flain 10,000; and 14,000 taken Prisoners, Henry fent out a Welch Captain, one David Gam, reconnoitre the Force and Disposition of the Enemy. by 14,000 Troops in great part enfeebled by Sicknefs.

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reasoning against its Disuse, states the Use of the Bow to be in Favor of the English from their perfonal Strength, which made up for Inferiority of Number*. The learned Afcham alfo in his Treatife on Archery fenfibly deprecates its Decay, and the Changing the Use of the Long-Bow for any other Weapon, as that to which the English were most apt and capable, but to be made an Amusement of in Peace and a Defence in War, that it should be joined with the other many other Testimonies are given of its Utility, even from the Time in which Fire-Arms began generally to obtain, till a late Period, after its Arms for the better Defence of the Realm+. But

LORD HERBERT'S Life and Reign of Henry VIII. Page 18. Ed. 1649.

+ Vide Afcham's Toxophilus, Book I. page 12.

^{*} The Reasons are so pointed that I shall give his own " What though with our 12 or 15,000 we have " oft defeated their Armies of 50,000 or 60,000, stands it " with Reafon of War to expect the like Success fill? " the Bow, proper for Men of our Strength, the Caliver Arms is changed, and for " begins to be generally received." " especially seeing the Use of

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total Difuse in War," some of which, as yery in-Reasons are alledged as to its Utility at the present genious and explanatory, may be feen at full in the Notes; besides these Authorities, many good

return two. Besides as they used their Halberts with their Bows, they could fall on the Enemy with great " confirmed, but made perpetual; so that notwithstanding " the Use of Calivers or Hand-Guns, it was thought fit to continue the Bow. While he that carries the Caliver goes unarmed, the Arrow will have the same Effect " within its Distance as the Bullet, and can for one Shot * " The Law of Archery made before, was not only " Advantage." " their Bows,

LORD HERBERT'S Life and Reign of Henry VIII. Page 55.

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observed, that this Victory was gotten only by Means of " As it was certainly by Help of the Broad Arrow and the was it by the same Weapon, that the English afterwards conquered France; I shall therefore here give the Reader pon and our Fire-Arms, as I find it in the Life of William an excellent and curious Comparison between this Wea-Blow of an Arrow, the Use whereof was brought Afterwards the English being trained to that Fight, did thereby chiefly maintain themselves with honourable Advantage against all Nations with whom they did contend in Arms, being generally reputed But of late Years it has been altogether laid afide, and instead thereof the Har-" Long-Bow, that the Normans conquered England, J. H .- One Circumstance more I hold fit to the best Shot in the World. into this Land.

Time by the learned and judicious Mr. Grofe, who clearly points out its great Effect, either against Cavalry or Infantry, and the Power the " quebuz and Caliver are brought into Ufe, yet not albeit they do not reject the Use of the small Pieces, yet a reasonable Distance, it is of greater both Certainty and Force. Secondly, for that it discharges faster. Thirdly, for that more Men may discharge therewith at once; the nailing the Foot to the Ground; hereupon it fol-" the Bullet cannot; foul Weather may much hinder the without Contradiction of many expert Men of Arms, who " do they prefer the Bow before them. First, for that in neither hurt they any but those that are in Front; but point blank like the Bullet, there is no Part of the Body, loweth, that the Arrows falling so thick as Hail on the produce most dangerous Effects. Besides these general " Discharge of the Piece, but it is of no great Impediment A Horse ftruck with the Bullet, for only the front Ranks discharge with the Piece, with the Bow ten or twelve Ranks may discharge together and will annoy as many Ranks of the Enemy. Laftly, for that an Arrow doth ftrike more Parts of the Body, for in that it hurteth by Descent and not only as lefs fearful of their Fleth, so more " flenderly armed than in former times, must necessarily " Use of the Bow is of great Advantage. If some Defence before the Enemy, the Arrow may strike when but it may strike, from the Crown of the Head even particular Services and Times " to the Shot of the Bow. Respects, in many of Men, Bodies ,

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Archers have of acting in Situations, where other Troops cannot . The Reafons given, shew the Caufes why the English Archers were enabled to

but if an Arrow is fastened in his Flesh, the continual Stirring thereof, occasioned by the Motion of himfelf, will force him to cast off all Command, and either bear down or diforder those that are near. But the Crack of the Piece, some Men say, doth strike a Terror into True, if they be fuch as never heard the like Noife before; but a little Use will extinguish these Terrors to Men; yea, to Beaffs, acquainted with these Cracks, they work a weak Impression of Fear: and if it be true, as all Men of Action do hold, that the Eye in all Battles is first overcome, then against Men equally accustomed to both, the Sight of the Arrow is more avail-" if the Wound be not mortal, may perform good Service, able to Victory than the Crack of the Piece. " the Enemy:

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GUTHRIE'S History of England, Vol. I. Page 323, a Note.

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* " The Long-Bow might, on some Occasions, undoubt. larly against Cavalry; a few Horses, wounded by Arrows left flicking in them, would probably become fo unruly as to diforder a whole Squadron. Befides, the Sight and Whizzing of the Arrows before the Heads of those State of Terror and Restiveness; nor would a Flight of wounded, as when shot with an Elevation, they would edly at this Time, be used with great Advantage, particu-Horses they did not hit, would keep them in a constant Arrows, falling on a Battalion of Foot, fail of a confiderbe vifible almost from the Time they left the Bow, and able Effect, independent of the Men they

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nce hen gain such Advantages over the Men at Arms as to drive them by their barbed Arrows, either off the Field or upon their own Foot. But, on the Change to Fire Arms, the Cavalry was rendered Superior to the Infantry, from their Discharge not being so galling, or of equal Dread, so that the Horse have generally been able, since those Days, to bear down the Infantry by the Weight of their Charge, as the Accounts of most Actions in movalry and Infantry were both fuperior to all Purdern Times exemplifies: By the Change we therefore lost a great Advantage, for before it our Ca-

The Causes to which are attributed the Difuse of the Bow, are supposed to arise from the Power and Effect of Fire-Arms being little known on their

[&]quot; the Attention of the Men, would prevent their acting " by fome Movement to avoid them; this, by engroffing " it would require a more than ordinary Exertion of Cou-" rage to refrain from looking at them, and endeavouring " with Vigour against a Batalion opposed to them. Archers " could aet in the Rear of a Battalion of Infantry, and " even of a Squadron of Cavalry."

GROSE, History of the English Ariny, Vol. I. Page 148, a Note.

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peen quence the Change took place, in order to give Confidence. But certainly could our An-Firing of Mulketry (after its being brought to its higheft Improvement) in the Actions of Hours, Reach, as to put them on an Equality with those ceftors have witnessed the fruitless long continued even Days in modern War, with the little compathan they really possessed, an Opinion which heightened by the Fire and Noise attending their Discharge, induced the Archers to diffrust their Bows, from esteeming them of not fufficient Arms of a greater Power of Range, and in Conferative Lofs, to what was fuftained when Archery their first Introduction, but conceived of more, they would have not was ufed, *

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* Respecting the great Inefficiency attending the Firing of Musketry in modern War, and the confequent Exputation of the Balls ufed in a Day's Adion, not one pence attending it, it may be judged of by what is flated Marshal Count Saxe, in his Memoirs, that, on a Comof upwards of Eighty-five took place.

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clearly proved by the Review of the various Actions of the By the Observation on Battles of a later Date, its Esfect falls infinitely short of the above Proportion, which can be

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so readily, from Prejudice, out of conceit with their famous Weapon, but it would have remained necessary for the Archers to empty their Quivers in Estimation to the present Time. It was rarely

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40,000, and supposing, at a moderate Average, that this been used to difable one Man. The same Deduction may be drawn from a more general Review of all the Actions in modern War; but at the Distance at which Musketry can ach with any Effect, as far as nine Score Yards, Body of Men at least expended 32 Rounds each Man, all Circumstances confidered, form a Total of 1,280,000 Balls in this Cafe upwards of 236 Shots of Mufketry must have present Continental War. As a sufficient Instance to govern the Reft, I shall cite its Effect at the Battle before Tournay, the 22d May, 1794, between the French and the Allies, an Action the most obstinately disputed on both Sides, from fix A. M. till nine at Night, the French lofing the Allies 5,000; the Country opposing little Interruption from the Nature of the Ground, being entirely plain and ftanding. The French brought into Action 100,000 Men, the Allies discharged, to occasion the above Lofs of the Enemy, making 128 Shots to the difabling one Object, without bringing into Computation the Proportion of the Lofs that at the higheft Calculation, 10,000 men, killed and wounded, might have been occasioned by the Bayonet, the Cavalry our ... Infantry and Artillery, though these Causes that Day may reasonably concluded to have occasioned half the Lofs, no Cover, but flight Hedges or the Grain then 60,000, reckoning the Proportion of

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Soldier nothing but the Idea of prefent Death; ing so comparatively small to what Imagination had tiers, double the Number of their whole Army. In these Times, the continued Roar and menacing Danger of Cannon and Mulketry, prefents to the although he is afterwards furprifed at the Lofs bethe best Troops, and that in Times when the frongest Armour was worn to prevent their Effect. At Agincourt one Discharge of the Archers, under the Duke of York, overthrew 2400 Men ing a Weapon was the Bow, that the Enemy could fearcely either fight or fly, so that befide the Carnage, the English have taken Priloners, as at Poito obtain the most memorable Victories, a few at Arms, at the Onset of the Battle. So conquer-Discharges, well directed, were fufficient to break

of Twenty to One!!! And as the Archer has the Power of it is afferted that in the Discharge of a Body of well trained Archers, allowing even great Deficiency, at leaft one Shaft in point of Certainty of its Shot, of no less than upwards discharging two Shots at least for one of his Adversary, the then evidently appears an Advantage in Favor of the Bow, in Ten would hit, so as to kill or wound an Object. above Proportion is even doubled.

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this apparent Terror of the modern Arms, yet of its Use must be attended with the greatest mitted we possels equal Powers to its efficient Use therefore describe the Arming of the Archer, heightened the Danger. But notwithstanding to diffrust his Bow against small Arms; on the from our personal Strength and Activity. I shall there never has existed real Cause for the Archer contrary, the reverse is evident from Reason and Demonstration. In the present Time, the Revival Success and Advantage; as it cannot but be adwhich must certainly appear to carry great Superiority and Efficiency.

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Bow and Quiver of twenty-four Sheaf-Arrows, the Bow proportioned to his Strength and proved in its Power and Elasticity*. These, when not ufing them, are flung at his Back: he is also provided with a Pike about ten Feet in length, which, when in Action, and ufing his Bow, he frikes befide The Archer completely armed, carries his Longhim.

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^{*} The ascertaining the Power of the Bow and proving its Elasticity by weighing it, is the Invention of the ingenious Mr. Thomas Waring.

advance under continual well directed Flights at Intervals, and then charge with their Spears, if Archer also carries a Broad Sword for close Action. Though so well armed, yet none of his Weapons are in the way of the other. In point of Defence, necessary to prevent the Breaking in of Cavalry, Breaft of a Horle, or Middle of a Man.* Two necessary, which, being several Feet longer than files of the Archers thus plant their Pikes, when so attacked, and as they oppose a Defence not to be broke in upon, they can at the same. Time pour the Musket and Bayonet, though not so heavy him, or grounds through the Files; and when to definey, wound and throw into Diforder any which fall from the Staff of the Pike, and when extended, support it presented, as high as the so dreadful and offentive a Shower of Arrows, a Affailants. When acting on the Offenfive, they he plants in Front; it is supported by two Spikes and unwieldy, are far more formidable.

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[.] The Model of the Pike thus supported in Defence, Thomas Waring's Manufactory, Charlotte Street, Bloombury. Mr. feen at

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if necessary, without any Inconvenience, he wears a Breaft-Plate Musket proof, fimilar to the present Austrian Cuirassiers (the Archers always were so equipped formerly,) but in all Cases, he should wear the Helmet, as a more convenient and secure of the complete armed Archer; and the Advantage led in the Authorities before cited. The rendered a Markiman from the Training of Covering for the Head. These are the Outlines of his Service will be herein after pointed out, if any Thing can be wanting to the Ideas fug-Practice of his Exercife is maintained at lefs Expence than any other, the Shot being always recoverable, and from the Nature of it, he is continual Shooting with Aim, and judging of Diffance by Shooting at the Butt and Roving,

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Powers of his Bow, * It is a great Advantage which the Archer possesses, from the Nature of his Weapon, that he has it always in his Power to judge of his Difcharge by his Arrow lighting able to recover it, from which he can amend which may deviate its but this is more difficult Direction, and by afcertaining the by knowing the Caufes, necessary Elevation; and being his Shot,

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vidual Skill. As Archers are foon capable of on the clearest Grounds shew the Superiority, the Bow would obtain over the Small-Arms of the determined; but from its efficient Direction within levelled, is reduced at the highest Estimation to which is by no Means fo general with any other kind of Troops, to whom more Attention is paid learning the Acting in Line and Column, their being Masters of the Power of their Weapon, must necessarily appear to give them great Advan-I shall here describe certain of those, which Enemy. The Effect of a Musket Ball cannot be judged of according to its great Extent of Range, if shot in Elevation, which may be 800 Yards or more, for it cannot for many Reafons be exactly a reasonable Distance; which, as the Piece is to their Evolutions in Bodies, than to their Indi-

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with Fire-Arms; in Shooting at the Target, if the Mark is missed, it is impossible so precisely to ascertain the Cause as with the former. Even in Action, which is of more Importance, the Archer by seeing the Flight of his Arrow can Destination, and determine whether it reaches its due directs his following Shots accordingly.

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Note of the Author.

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200 Yards; and the Aim at this Distance is even very uncertain, from as well the exceeding Diminution of the Objects in the Perspective as the imperceptible Inequalities of Ground, which Caufes may render the Level either difficult to adjust, or if correct, defeats it. Little Effect has been done in modern War at this Distance by the Musket, and more often the Event is decided by the Bayonet, (of which the Enemy vaunt so much) after a long Continuance of Firing, which certainly does not advance the Excellence of the Mufket. The Range of a Bow, when discharged in Elevation, is from 9 to 12 Score Yards, sometimes, more, but from the greater Prefitue of Air on the Shaft than on the Bullet, and from the Gravity being in the Pile, it descends at its ultimate Distance, before tion; whereas the Force of a Ball in a like Situation it has loft its Force, and will then do good Execu-Arrow, if it miffes the Front Ranks, may yet is spent. A Bullet, if it misses its Direction, by overshooting the Object at any Distance, goes the utmost Range without further Esfect: descend on the Rear, and do equal Execution.

Cu who of of

the Diffance at which fmall Arms are efficient, the Bow is of more Effect and greater Quicknefs

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him raging with his Pain, and disorder those around him. The Force which is capable of being given to the Arrow, is certainly greatly fuperior to the leaden Bullet, refulting from its No Miffile can be fo deftructive and annoying, as the barbed or sheaf Arrow used by the English Archers: for if the Object, Man or Horle, is wounded, he is put out of Action till extracted; the latter particularly, though flruck by a Ball, Length, its Pile of tempered Iron and pointed while warm, may continue to act; but the continually galling of an Arrow would certainly render Form, calculated for piercing, which may be judged of, by the Archers in former Times having acted against Adversaries in the strongest Armour, whereas in these Times, the Austrian Horse Cuiraffiers carry Breaft-Plates of not above 7lb. Weight, which are musket-proof.* Let not Pre-

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^{*} The Force with which an Arrow struck an Object at a moderate Distance, may be conceived from an Instance

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judice so far interpose, as to esteem the Arrow a cruel, though certainly it is a deathful Weapon, and at the fame Time país over unheeded the Confideration of the more cruel Mutilation of Individuals by the Artillery of modern Times. The Arrow is the ancient Weapon Motions of nocking the Shaft, and drawing up the of the Realm, and the reviving its Use in Defence of our Rights is but exerting it in the Caufe of Humanity. In point of quick shooting, from the fimple Exercise of the Bow, there are only the Bow, which are foon effected with order, fo that an Archer, expertly trained, can shoot 12 times the Exercife of the Mulket is composed of more Motions in order to use it, which take at least twice the Time, however effected, so that Archers in a Minute, and a flower from 6 to 8 times. barbed

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given by Edward VI. in his Journal, wherein he fays, that an hundred Archers of his Guard shot before him two Arrows each, and afterwards all together, that they shot at an Inch Board which some pierced through and stuck into the other Board; divers pierced it quite through with the Heads of their Arrows: the Board being well feafoned Timber. The Distance from the Mark is not mentioned. could

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one of the Enemy; the Advantage must be evident have on the Enemy, the Sight and Effect of at could always be able to return at least two shot for attending the quick Dicharges of fuch galling Showers of Arrows, the Danger of which is seen the greatest Carnage and Confusion must take place, even with the best disciplined Troops? Let within their Distance; what Impression must it not and apprehended; is it possible to suppose, but that an Idea be formed of the Terror of the Object, in supposing a Body of a thousand Archers opposed east 6000 Arrows flying upon their Line in a Minute! under fuch Flights, kept up without Inercife; or not fall into Rout and Disorder amidit to a like Number, or even to great Superiority termission, how would it be possible for them, either are enabled to keep their Order as opposed to Horse or Foot, to perform their Evolutions or Exfuch Carnage and vifible Danger? for Mufketeers each other, from not feeing it. But under fuch galling Discharges, if the Cavalry could possibly push to the Charge of the Archers, they then

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would plant their Pikes.* This Pallifade of a double Row of Lances would effectually fecure the Ranks of the Archers from being broke, * The great Use and Effect of the Pike, in withstanding Warres a-foote, they were confitrained to run into the ancient Manner, and out of it to choose some Armes, wherewith they might defend themselves against the " Enemy's Horlemen, which Necessty had made them el-Treatife published in 1589, from the French of Mr. Wm. de Bellay, who writes in Page 26-". But let us país further "to speak of the Pike; of which although the Switzers " have not been the Inventors, yet have they at the leaft brought it again into Use; for that they being poore, and er sguinft the Princes of Germany, who being rich and of great Power, did maintain many Horsemen, which the Switzers could not do, and therefore making these " ther to maintain or find out again the Orders of Time past, without which Pikes, Foot-Men are wholly unprofitable; they took therefore Pikes, as Weapons not only " fit to withfland Horsemen, but also to vanquish them; by the Help of which Weapon, and through the Truft they have in their own good Order, they have taken fuch a Boldneffe, that fifteen or twenty Thoufand of their " Men dare enterpfize upon a whole World of Horfemen, as they have made proof at Navarre and at Marignan, " although the one Bataille fell out better on their Side, than Cavalry, may be judged of by the Reafons given in a Military " defirbus to live at libertie, were confirmined to

THERESE

GROSE'S History of the English Army, Vol. I. Page 137, a Note.

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and enable them by their terrible Discharges to out their Adversaries to rout. In the Charge of together, and would annoy as many Ranks of infantry they would come to the Push of Pike, and plainly shew the Effect of the Spear over the Enemy's Bayonets. With Archers, even a Column of Forty or Fifty deep can dicharge the Enemy, if he was advancing in like Order within Bow-Shot, which could not fail, befides the Lofs, of throwing his Column into the greatest Diforder and Confusion, and prevent his acting with any Regularity. The Use of the Bow is liable to fewer Impediments than fmall Arms, which may be rendered defective by the Weather, and the various Accidents attending the Lock, the Flint or the Powder; with the Bow, Number of Dicharges within the Day does not affect it; but the Mulket after long firing grows fo foul as greatly to weaken its Effect. Although the it is only necessary to be sure of the String, any Noife of the Fire may be supposed to strike Dread and Alarm, yet this Impression is casily removed

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of the Arrows, and this would favour our own be of equal Advantage to check the Advance of by Custom; and in that Case, among disciplined convey more Terror, than the Noise attending the Discharge of the Piece. It must appear evident could act with peculiar Effect, not only in the the Intrenchments as to them are of no Protection to the Enemy, from their shooting in Elevation, which must be very galling to his Artillery, which could not fo readily act with Vigour, if in reach Artillery. In defending Intrenchments, they would the Enemy's Columns, by their Power of close themselves are protected against the Enemy's Musketry. In the Field, there are many Situations from Inequality of Ground, which are nevertheless Troops, the Sight of the Archers Shot would to the Judgment of all Military Men, who rightly confider the acting of Archers, that there are numberles Situations of Ground in which they Field, but in the Attack or Defence of Lines they must be of the greatest Service; in the former discharging in that Order, if necessary, when they

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chers, from these Causes, could not fail in the cation Dread and Impression on the Enemy. To effect the Revival of the Use of the Bow with the Improvements in arming the Archer as fet forth, imperceptible in the Distance, and yet totally obviate the Effect of the levelled Piece, but not the elevated Shot of the Bow. The acting of Arpresent Time to afford great Advantages, and ocit is strongly recommended to the Attention of the several Societies of Archers, to incite the carrying the same into effect by their Example. By their reviving its Ufe, as one of the Arts of Peace, they have tellified their Respect for what was once the Defence of the Realm; it is therefore so far their Duty to the Country at this Crifis, on the just Grounds that exist for influencing it, to bring to efficient Use in War, what cannot but greatly contribute to the present and future Safety of the Country against the Foreign Invader.

Of an enlightened Public, not influenced by cern the National Welfare, the greatest Attention is Prejudice to neglect what can in any degree con-

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tained with their Lives and Fortunes for fo many expected with Confidence to a Meafure, which will have the Effect of raifing our Renown, and efficiently promote Exertions in Defence of that Liberty and Independence, which our Fore-fathers maincern the

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The MANUAL EXERCISE of the BOW and PIKE.

many

HE Standing of the Archer is first to be confidered; he must have one Foot Space from his right and left hand Man more than his Square, in order for the Action of his Bow, the Ranks should be about one Pace behind the other; this is called no more than his Square. The Archer for the the open Order. The close Order is, when he comes up to charge with the Pike, in which he has Word of Command looks to the Right, the Words of Order are,

Form your Line.

Either two or three deep, as judged necessary.

Stand in open Order.

FIRST

FIRST POSITION.

The Archer ordered. Vide Fig. I. and Frontifpiece.

and that which he is always in on Guard, and THIS Posture is the First, as being ready for all his Back, and the Pike at reft. It is the first in which the Archer is thrown when in Line, other Services, the Bow and Quiver being in the Motions of Parade.

The Words of Order are:

1st.
Handle your Pike.

In this the right Hand is lowered on the Fike, and the Left is brought to handle it even with the Shoulder.

ward and struck in Front, fomething fimilar to poining This is then brought for-Advance your Pike.

Trail

the mulket.

(**)

3d, Trail your Pike,

This is by lowering the Pikes with the Point to the Ground. In Line, only the front Rank can do this, for obvious Reasons.

The two first Motions are given as the Salute The Third to be used may be thus diffinguished: to an Officer, and that made, on relieving Guard. the lowering the Pike to the Left; as a Royal Salute; when to the Right to Commanding Ge-

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SECOND POSITION.

The Archer Shooting. Vide Fig. II.

THIS is the first Posture of the Archer's act. ing on the Offenfive, which he enters into as foon as within reach of the Enemy.

The words of Order are:

strike or ground your Pike.

This is, into the ground, at the right Side; but when it will not admit it, it is grounded to the Left along the Ranks.

2d, Order your Bows.

Bow with the Quiver, drawing it from the Sheath and bracing it.

This is nocking the Shaft 3d, This is nocking Make ready Point. and presenting it. Shoot

GMODES

Shoot together.

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Or, 1st, 2d, &c. Company or Battalion, of the right or left Center, the Number of Yards Distance being called by the Score and its Proportions.

the Affiftance derived from the The Distance is afcertained by the most expert Archers on the Right of the Battalion; by the Serjeants for Instance, acting as Flugelmen, which they determine by Judgment of the Eye aided by Training.

When the Archers are preffing on in Attack, the Words of Order are:

Suol

ind,

Shoulder your Pike— Time is ported in the left March—Halt. The Bow at the same Hand, March-Halt.

raw-

The Orders as in the preceding omitting the 2d.

The most effectual Mode of Attack, wherever possible for the Archers, is, having ordered their Bows, to advance rapidly to an hundred Yards, and then open on the Enemy with a quick Suc-Scarce an Arrow would THIRD fall in vain at this Distance. cession of Discharges.

Shoot

Shaft

THIRD POSITION.

The Archer Charging. Vide Fig. III.

after ufing their Bows, and having thrown the Enemy into Disorder by their Flights of Arrows, it THIS is the fecond Posture in Attack, is judged proper to come to the Push of Pike.

The Words of Order are:

In the manner as feen in In the mi Fasten your Bow.

This is returning it, together with the Quiver, to the right Shoulder, as feen in the Ift Position, Or, Return your Bow.

3d, Recover your Pike.

. It is to be observed that this Manner of disposing of the Bow is in order to recover it with greater Quickness, but if in this Postute it is aukward in Charging, it may be returned to the ift Pofition.

Come

4th, Come to your close Order. 5th, Port your Pike, and March. The three last Orders are only necessary, if, before the Bow is used, it is requifite to charge with the Pike, which may happen on fudden Oc-

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after using the Bow, which in the Attack of the Enemy in many Situations, when the Troops have to climb over interposing Objects, is the most rapid Manner of Affaulting, from the Weapon being If it is judged proper to charge Sword in hand, used with one Hand; the Words of Order are:

1ft, Front Ranks return your Bows.

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in order not to be in the Way of the Ranks rufhing This is always necessary forward. Ground your Pikes.

3d, Draw your Swords.

4th, Rear make ready, Prefent, Shoot, &c.

In charging the Pike, the front Rank pushes with it, held firm on the Hip, having about two

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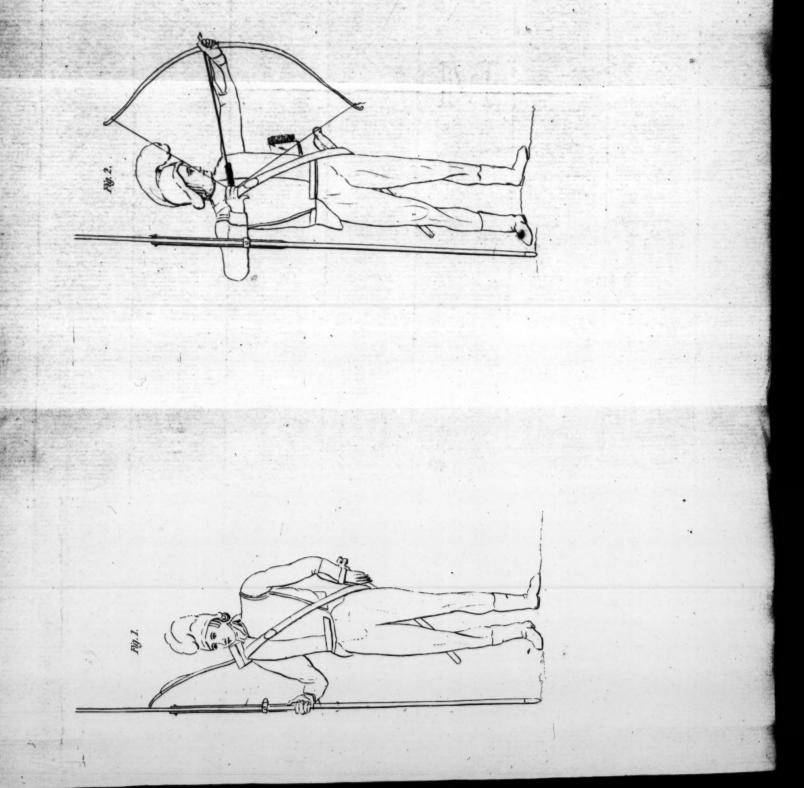
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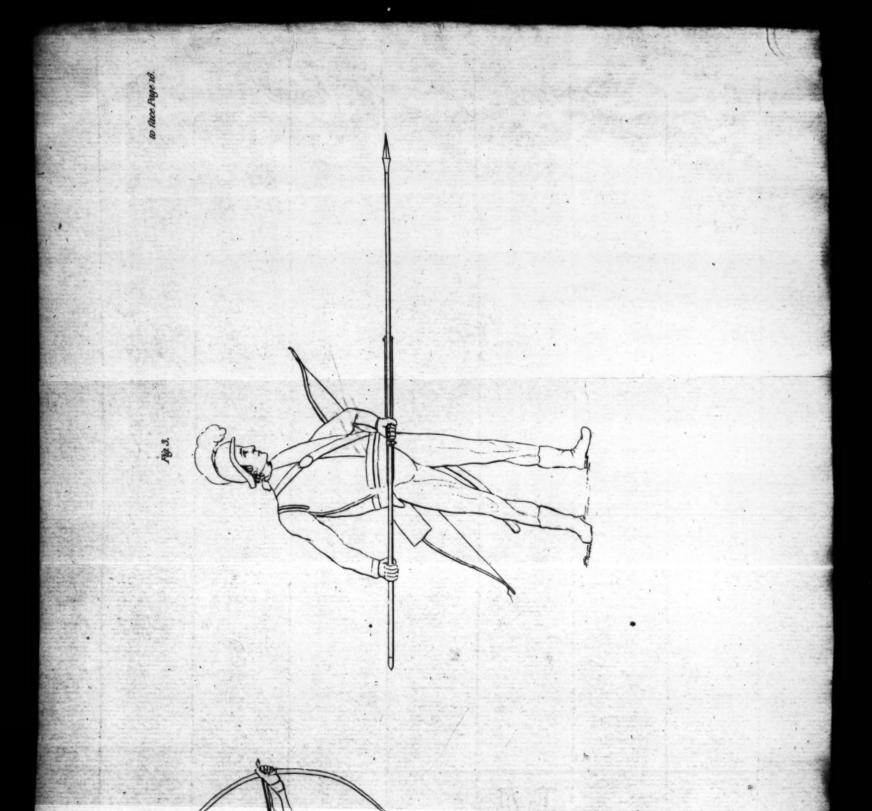
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possible for the Enemy's Bayonets to stand the Feet in Referve, the fecond Rank pushes with it overhanded above the other's Shoulder, the third Rank carries it ported; it would be utterly im-Charge, their Line would be overthrown with little Power of annoying their Adversaries.



FOURTH





FOURTH POSITION.

The Archer Covered. Vide Fig. IV.

THE two former Politions are when the Arif charged by Cavalry. The third Position is quent Posture, is when they act on the Defensive, chers act on the Offenfive. This, and the fubfeuled against Infantry.

The Words of Order are:

Front Ranks, plant Sthey must preserve the open your Piles Order. your Pibes.

2d, Make ready, prefent.

3d, Shoot, Gc.

posiple ture which Archers present to Cavalry; from it Nothing can be more formidable than this Pofnual Discharges of Arrows, that even if it were they act offensive and defensive at the same Time. The Enemy must be so occupied with the conti-

of Stakes, 6 to 8 Feet long, made on the Spur of Occasion by the Pioneers, could yet never be broke in upon by great Bodies of Men at Arms. the Spikes, prefents far more Security, and is an infinite Improvement. If the Horfe retreat, the chers, though only secured by a double Pallifade But the Pike, with the Firmness given to it by Archers would continue their Attack, till they possible for them by any Means to beat down the Lances, yet the Attention of the Men and Horfes would be so engaged from being in that Manner galled, that they could act with no Effect. It was from this Cause, that in the ancient Battles, the Arentirely routed them.

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FIFTH POSITION.

The Archer couched. Vide Fig. V.

is the second Defensive Posture, and is also at the near Distance to give an Opening to frengthen the Stand of Pikes against Cavalry-and only ufed, when it may be judged necessary the Shot of the rear Rank.

The Words of Order are:

Front Rank fasten The Note in Page 48 is also ap-

Draw your Swords close to your Helms.

Charge at the Foot and couch low.

Middle and Rear, make ready, present.

Shoot, Sec.

If the Enemy gives Way-then-

Front Rank, recover your Bows,

Make ready, prefent.

Shoot, &c.

front Line thereof is preferved, the second cannot It is fully fufficient for the front Rank alone to in order to frengthen the Pikes, for if the be broke in upon.

SIXTH

SIXTH POSITION.

The Archer Marching. Vide Fig. VI.

THIS is the last Posture of the Archet, after Action, and preparatory to marching,

The Words of Order are:

This is by putting it into the Sheath, on the Side of the Quiver, and passing them together to the right Shoulder.

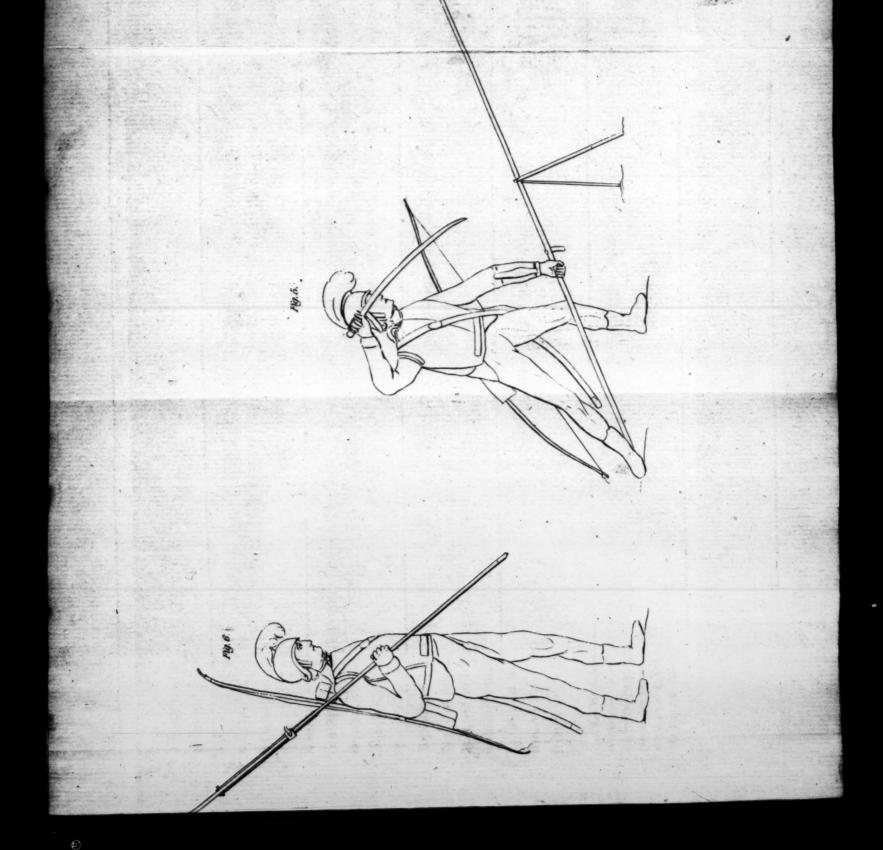
Return your Bow.

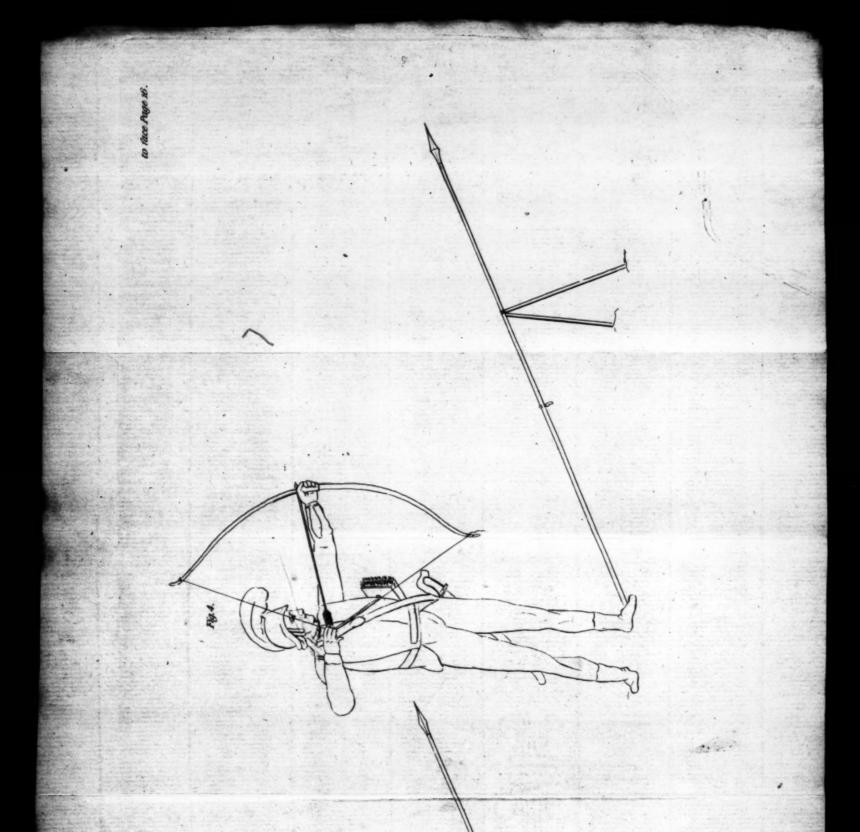
Recover your Pike.

State of the State of

Shoulder your Pike. - March.

This Manual Exercife is deferibed as applying to the Complete Armed Archer, in order to give Offence and Defence. But the Archers may be diffinguished into the Heavy and the Light Armed: the Idea, how far he is capable of being fitted for the first having the complete Equipment; the latter





only the Sword and Bow, in order that they might with the greater Rapidity and less Incumbrances and then the Words of Order relative to the Pike act in various Situations, and in defultory Attack are omitted.

they appear the most simple, and naturally follow-As to the uting the proof Helmet and Breaft Plate, or lighter Equipment, that is referred for does not ufe it, or as a Means of giving Confidence. ing each other deferiptive of his general Action; but it is necessarily supposed that the Use of the Bow and Sword is previoully learnt. . As to the Confideration, whether necessary, when the Enemy The feveral Positions of the Archer are given as various Evolutions attending the forming and acting in Line and Column, as they are nearly the same with Archers as other Infantry, with the Difference only of the Words of Order, these Ma-

cannot be better given, than by the Treatife on the Art of Defence on Foot with the Broad Sword and Sabre, pub-* For Infruction in leathing the Use of the Bow, though requiste to be more simplified, vide the second Book of Afcham's Toxophilus. The Manner of ufing the Sword lifted by Mr. Egerton.

vres are performed in the first Position, with the Words of Order are the two last in the second of the prefent Treatife to specify; the good Sense of those to whom it is addressed, and the general The Manual is the same in Column as in the Line; in changing the Disposition in Action, the Archer ported in the left Hand, and when formed, the Polition. When not in Action, all the Manceu-Bow returned. It is obvious that these Dispositions may be so infinitely varied, as to exceed the Bounds nœuvres can be learnt from the same Means." carries his Pike shouldered, Bow ordered and

Knowledge

Line, filing and charging to the Front; 17th, Retreating in Line. These Movements are selected from the Directions from the Words thereof, to open or close Column, result * The principal Manœuvres necessary to the Archers are lume in Front, Light Infantry; 3d, Open Column on a central Company; 4th, Change of Pofition in Column; 6th, Countermarch and Change of Polition; 8th, March in close Column; 11th, Change of Position; 12th, Retreat Square; 16th, Advancing in for Evolutions of Infantry, to which the Numbers refer, The Variations from the Necessity of the Archers in Action or second Po-1ft, The Open Column in Rear, Grenadiers; 2d, Open Coand may be learnt from the same Means. fition preferving their open Order. in Line; 14th, the Hollow

in the People of this Country to Archery, that it Training the Archer for War, which appear of ment, (in feveral Counties it has never gone entirely to decay) and from the general Tendency Knowledge of military Affairs, which at prefent pervades the Country, will foon point out the Mode of executing all that is necessary. I shall conclude therefore with fome general Observations on the great Utility. The Use of the Bow is so generally known, from the Number who practife for Amuleis not necessary to be very particular.

custom himself to the using a Bow to the full of the Sheaf Arrow, by which Means, though he does not practife with the latter, yet he will altice his Strength will increase, and with it he should increase the Force of his Bow; no one should shoot in that of less Strength than requires 60lb. to draw the Arrow up, but as much fronger as can be managed. The Shafts for Training, though blunt Piles, should be of equal Weight to ways know what it will do in Action, which The Archer in training for War should achis Powers, without incommoding him; by Praccould could not be the Cafe, if light Shafts were used. He should also always exercife with the Quiver on ment, and the handling and nocking the Shaft his left Side, in order to be expert in its Managein the same Way, as when in the Line; accuftoming himfelf to long and flrong Shooting, and to Shaft. The Archer, in standing, should preferve a free and erect Posture; be sure in the Nocking of his Shaft; and, in drawing, preserve the Height observe the Effect the Weather may have on his of his Arm, according to the intended Elevation of the Shaft, as pointed out in Fig. II, and IV. bearing frongly with the Ball of the Hand, and Force of the Bow-Arm, into the Handle, bringpossible into Action with Steadiness, Vigour, and the greatest Celerity, loofing the Shaft in an Instant. The Aim is conducted by looking steadfaft at the Mark, not at the Shaft, and fuch is the Direction given to the Limbs by the Eye, that with the Information derived from knowing the Elevation will be foon habitually obtained. He ing the Strength of the whole Body as much as Nature of the Flight of his Shaft, the necessary

of an Enemy's Line appearing nearer or farther tended and Bow braced, compare the Height of Comparison of the Altitude of the upper Part of Diffance by roving; and in order to know when an Enemy comes within the Range of his I venture to fuggeft a Reflection which occurred to determine it, and prevent the Difplay off than in reality. When training, in shooting Infantry at different Distances, as they appear in the Bow, when looking over the Hand. By fettling should bestow particular Attention to the judging at the Butt, the Archer should, with his Arm ex-Objects from Head to Foot, both of Horle and the Memory of this in the Eye, or noting the general Marks of the Variations, he can always tance of the Enemy's Line. Of the Time that is necessary, to form an Archer, it is observed, that daily Practice for one Month, or three Times a Week for two Months, is adequate to make a determine, with confiderable Precifion, the Diffufficient Bowman for shooting in Line.

that day Practice for one I land, or three Times the Total when leading over the Proof. the filemory of this in the Pyc. ment Marks of the Variations, d woff has believe merchin in tribiliti Comparison of ele mi nsd: Ro at the Butt, the Archer Could, with the Arms ex-Opiega from Hea ederating, with confiderable ander of the Endmy's Line. of Diffunce by resugg and in order to Storie curred to determine it, and prevent the Digity of an Enemy's Inne appearing nearer or larther front of the state of the state of the said front when an Enemy comes within the Range of his meet Try - so folia as in A. A. S. S. S. of the said of to form an Arcier, it is oblighed, really. When training, in theoring SOUR STANK o Havilyn, the Dir or count spe Eco the Meight of of Horfe and 10 feet Part of can always By Relling appear in киом

afficient Borraren for Cooting in Line.

Mock for two Mouths, is advinged to meric a

